Docket No.

263675US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Thomas RUECKLE, et al.

SERIAL NO:

10/520,621

GAU:

FILED:

January 10, 2005

EXAMINER:

FOR:

AZOLIDINONE-VINYL FUSED-BENZENE DERIVATIVES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

MISSIONER FOR PATENTS KANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.

A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.

A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

□ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Customer Number

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

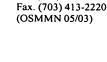
Norman F. Oblon

Registration No. 34,423

Surinder Sachar

Registration No. 34,423





Tel. (703) 413-3000





SERIAL NO. ATTY DOCKET NO. Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Modified) 10/520,621 263675US0PCT **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Thomas RUECKLE, et al. FILING DATE GROUP January 10, 2005 **FOREIGN PATENT DOCUMENTS** 11 TRANSLATION DOCUMENT DATE COUNTRY NUMBER YES NO NO 03/14/80 JP. AA 55-36429 JP. NO 55-45648 03/31/80 AB NO 0 283 036 09/21/88 EP AC AD 02/051409 07/04/02 WO NO OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) JANUSZ, John M. et al. "New Cyclooxygenase-2/5-Lipoxygenase Inhibitors. 3.7-tert-Butyl-2,3-dihydro-3,3dimethylbenzofuran Derivates as Gastrointestinal Safe Antiinflammatory and Analgesic Agents: Variations at the 5 Position", ΑE J. Med. Chem., vol. 41, no. 18, pages 3515-3529, XP002223203 1998 BRUMMOND, Kay M. et al. "Solid-Phase Synthesis of BRL 49653", J. Org. Chem., vol. 64, pages 1723-1726 AF 1999 CHA, Jin Soon et al. "Exceptionally Facile Reduction of Acid Chlorides to Aldehydes by Sodium Tri-tertbutoxyaluminohydride", J. Org. Chem., vol. 58, pages 4732-4734 AG FRASER, James D. et al. "Regulation of Interleukin-2 Gene Enhancer Activity by the T Cell Accessory Molecule CD28", Science, vol. 251, pages 313-316 1991 FRUMAN, David A. et al. "Phosphoinositide Kinases", Annu. Rev. Biochem., vol. 67, pages 481-507 GERARD, Craig et al. "Chemokines and Disease", Nature Immunology, vol. 2, no. 2, pages 108-115 A.I HIRSCH, Emilio et al. "Resistance to thromboembolism in PI3Kgamma-deficient mice", The FASEB Journal, vol. 15, no. 11, pages 2019-2021 AK 2001 HIRSCH, Emilio et al. "Central Role for G Protein-Coupled Phosphoinositide 3-Kinase gamma in inflammation", Science, vol. 287, no. 5455, pages 1049-1053 ΑL 2000 KATSO, Roy et al. "Cellular Function of Phosphoinositide 3-Kinases: Implications for Development, Immunity, Homeostasis, and Cancer", Annu. Rev. Cell Dev. Biol, vol. 17, pages 615-675 LAFFARGUE, Muriel et al. "Phosphoinositide 3-Kinase gamma is an Essential Amplifier of Mast Cell Function", Immunity, AN vol. 16, no.3, pages 441-451 LAWLOR, Margaret A. et al. "PKB/Akt: a key mediator of cell proliferation, survival and insulin responses?", Journal of Cell Science, vol. 114, no. 16, pages 2903-2910 AO 2001 LESLIE, Nick R. et al. "Phosphoinositide-Regulated Kinases and Phosphoinositide Phosphatases", Chem. Rev., vol. 101, no. 8, pages 2365-2380 2001 LOPEZ-ILASACA, Marco et al. "Phosphoinositide 3-Kinase gamma Is a Mediator of Gbetagamma-dependent Jun Kinase Activation", The Journal of Biological Chemistry, vol. 273, no. 5, pages 2505-2508 PANAYOTOU, George et al. "Phosphatidyl-inositol 3-Kinase: a key enzyme in diverse signalling processes", Trends in Cell AR Biology, vol. 2, pages 358-360 1992 PARKER, Peter J. "PI 3-kinase puts GTP on the Rac", Current Biology, vol. 5, no.6, pages 577-579 AS Additional References sheet(s) attached 1995 **Date Considered** Examiner

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			4
\			
,			,
,			

Form PTO 1449		U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO.	SERIAL NO.		
(Modified)		PATENT AND TRADEMARK OFFICE	263675US0PCT	10/520,621		
LIST OF REFERENCES CITED BY APPLICANT			APPLICANT			
		RENCES CITED BY APPLICANT	Thomas RUECKLE, et al.			
			FILING DATE	GROUP		
_1;	4.		January 10, 2005			
٠,٨	•	OTHER REFERENCES (Including Author, Title, Date, Pertinent I	Pages, etc.)		
Ţ V	AT	PETROV, Ognyan et al. "C-Formylation of some 2(3H)-Benzazolones and 2H-1,4-Benzoxazin-3(4H)-One", Collect. Czech. Chem. Commun., vol. 62, pages 494-497 1997				
	AU	PAGES, Francoise et al. "Binding of phosphatidyl-inositol-3-OH kinase to CD28 is required for T-cell signalling", Nature, vol. 369, pages 327-329 1994				
	AV	RUDD, Christopher E. "Upstream-Downstream: CD28 Cosignaling Pathways and T Cell Function", Immunity, vol. 4, pages 527-534 1996				
	AW	STEPHENS, Len et al. "Roles of Pl3Ks in leukocyte chemotaxis and phagocytosis", Curr. Opinion Cell Biol., vol. 14, no.2, pages 203-213 2002				
	AX	STEIN, Robert C. et al. "PI3-kinase inhibition: a target for drug development?", Molecular Medicine Today, vol. 6, no. 9, pages 347-357 2000				
	AY	THELEN, Marcus et al. "Wortmannin binds specifically to 1-phosphatidylinositol 3-kinase while inhibiting guanine nucleotide-binding protein-coupled receptor signaling in neutrophil leukocytes", Proc. Natl. Acad. Sci., vol. 91, pages 4960-4964 1994				
	AZ	TOKER, A. "Phosphoinositides and signal transduction", Cell. Mol. Life Sci., vol. 59, no. 5, pages 761-779 2002				
	AAA	VANHAESEBROECK, B. et al. "Signaling by Distinct Classes of Phosphoinositide 3-Kinases", Experimental Cell Research, vol. 253, vol. 1, pages 239-254 1999				
	AABI	VANHAESEBROECK, Bart et al. "Phosphoinositide 3-kinases: a conserved family of signal transducers", TIBS, vol. 22, no. 7, pages 267-272 1997				
	AAC	WYMANN, Matthias P. et al. "Lipids on the move: phosphoinositide 3-kinases in leukocyte function", Immunology Today, vol. 21, no. 6, pages 260-264 2000				
	AAD	YAO, Ryoji et al. "Requirement for Phosphatidylinositol-3 Kinase in the Prevention of Apoptosis by Nerve Growth Factor", Science, vol. 267, pages 2003-2005 1995				
	AAE					
	AAF					
	AAG					
	AAH		·			
	AAI	·				
	AAJ					
Examiner				Date Considered		
			t citation is in conformance with MPEP 609	; Draw line through citation if not in		

U.S. PCT Application Serial No.: 10/520,621 Docket No.: <u>263675US0PCT</u>

STATEMENT OF RELEVANCY

1) References <u>AA, AB, AE</u> have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
2) References have been cited in the corresponding Search Report. A copy of these references is being submitted herewith.
3) References <u>AC, AD, AF-AAD</u> are discussed in the specification. A copy of these references is being submitted here with.
4) References are additional prior art known to Applicant. A copy of these references is being submitted herewith.